

Applicant: Ari-Pekka Kautto et al.
Application No.: 10/596,665
Response to Office action dated Jun. 10, 2010
Response filed July 9, 2010

Claim Listing

1-7. (canceled)

8. (Currently amended) A[[n]] surface-sizing or coating device for use in paper and board machines ~~insert-molded rod cradle for a film, coating, or sealing rod, comprising:~~
a coating rod;
~~portions of the~~ a rod cradle ~~forming~~ having a base part, portions of the rod cradle defining a rod groove, and ~~portions of the rod cradle forming~~ a body part which is between the base part and the rod groove;
wherein the coating rod is mounted in the rod groove;
~~wherein the base part and the body part are formed of a first plastic material;~~
wherein the portions defining a rod groove include circumference portions edging the rod groove, the circumference portions including portions forming lips, the rod groove ~~being arranged to receive~~ mounting the [[a]] rod between said lips, and wherein the circumference portions are arranged to lie against the rod;
wherein the base part, the body part, and the lips are formed of a first plastic material;
and
wherein said circumference portions are formed ~~at least partly~~ by a slider piece of a second plastic material different than the first plastic material which is permanently joined as an insert-molded part of the cradle.

9. (canceled)

10. (previously presented) The rod cradle of claim 8, wherein the insert-molded slider piece forms all the circumference portions and also has portions forming a liquid groove contiguous with the rod groove.

11. (canceled)

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12. (previously presented) The rod cradle of claim 9 wherein the slider piece is polyurethane.

13. (previously presented) The rod cradle of Claim 8 wherein the slider piece is polyurethane filled with a substance that reduces friction.

14. (currently amended) The rod cradle of claim 8, wherein the slider piece is ~~non-homogenous, such that material forming~~ has portions which engage the rod which comprise a bottom portion of the rod groove, which and wherein the slider piece is non-homogenous, such that the material forming the bottom portion engages of the rod [[,]] groove has a lower coefficient of friction than all other circumference portions.

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15. (Currently amended) An insert-molded rod cradle for a film, coating, or sealing rod for use in paper and board machines, comprising:

a first molding having portions forming a base part, portions defining a rod groove, and portions forming a body part which is between the base part and the rod groove, wherein the first molding is formed of a first plastic material; [[and]]

a second molding of a second plastic material different than the first plastic material which second molding is an insert-molded part of the rod cradle, wherein the first molding and the second molding are joined permanently to each other, wherein the portions defining a rod groove include circumference portions edging the rod groove, the circumference portions including portions forming lips, the rod groove being arranged to receive a rod between said lips, and wherein the circumference portions are arranged to lie against the rod, and wherein the second molding defines a slider piece which forms at least part of the circumference portions; and

wherein the slider piece of the second plastic material has portions which engage the rod which comprise a bottom portion of the rod groove, and wherein the slider piece is non-homogenous, such that the material forming the bottom portion of the rod groove has a lower coefficient of friction than all other circumference portions.

16. (previously presented) The rod cradle of claim 15 wherein the lips edging the rod groove are of the first plastic material.

17. (previously presented) The rod cradle of claim 15, wherein the insert-molded slider piece forms all the circumference portions and also has portions forming a liquid groove contiguous with the rod groove.

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18. (canceled)

19. (previously presented) The rod cradle of claim 16 wherein the slider piece is polyurethane.

20. (previously presented) The rod cradle of Claim 15 wherein the slider piece is polyurethane filled with a substance that reduces friction.

21. (canceled)